

# MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP. 11-81

## Section I

DPM 2232-3 (Primer)

MANUFACTURER'S NAME BOSTIK WEST, DIVISION OF EMHART CORPORATION

STREET ADDRESS 20846 S. NORMANDIE AVE. CITY, STATE, AND ZIP CODE TORRANCE, CA. 90502

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS EPOXY

MANUFACTURERS CODE IDENTIFICATION 463-12-3

(GREEN FLOCOAT PRIMER, DPM 2232-3)

Catalyst: X-305

TRADE NAME BOSTIK

Mix Ratio: 3 parts 463-12-3(Base) to 1 part X-305 by volume.

## Section II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	PERCENT (Wt.)	TLV		LEL	VAPOR PRESSURE
			PPM	mg/M <sup>3</sup>		
463-12-3 (Base Only)						
Methyl Isobutyl Ketone	108-10-1	20-25	100		1.4	15.0
Xylene	1330-20-7	10-15	100		1.0	7.0
Cyclohexanone	108-94-1	10-15	50		1.1	2.0
Chromate Compounds:						
Reported as Pb	17758-97-6	<5.0	---	*0.05	---	---
Reported as Cr	13765-19-0	<3.0	---	*0.05	---	---

\*OSHA, 8 hr., TWA

## Section III - PHYSICAL DATA

BOILING RANGE 281-312° F.

VAPOR DENSITY ☒ HEAVIER ☐ LIGHTER THAN AIR

EVAPORATION RATE ☐ FASTER ☒ SLOWER THAN ETHER

PERCENT VOLATILE BY VOLUME

69.5

WEIGHT PER GALLON

10.1 lbs.

## Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY Red Label, Flammable

(Min) FLASH POINT 74° F

Tag Closed Cup

LEL 1.0

EXTINGUISHING MEDIA

Exclude air-Use foam, CO<sub>2</sub>, steam, water fog, dry chemicals. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect personnel.

## Section V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE : See Section II

EFFECTS OF OVEREXPOSURE : Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat and eyes.

EMERGENCY AND FIRST AID PROCEDURES : Skin Exposure: Wash affected area with soap & water.  
Eye Exposure: Flush with water for at least 15 minutes, consult physician.  
Ingestion: Consult physician immediately.  
Inhalation: Remove victim to fresh air, consult physician.

## Section VI – REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

CONDITIONS TO AVOID : Storage at high temperatures.

INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents. Sparks and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS

On combustion CO, CO<sub>2</sub>, Aldehydes and other organics, lead fumes, oxides of nitrogen.

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID

## Section VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition and clear fumes from area. Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound.  
WASTE DISPOSAL METHOD Wash area with detergent & water. Consult disposal expert & ensure conformity with local regulations.

## Section VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION : Use approved respiratory protection such as an air-supplied mask if used in non ventilated area.

Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

VENTILATION : Face velocity 60 fpm in confined area.

PROTECTIVE GLOVES : Chemically resistant gloves.

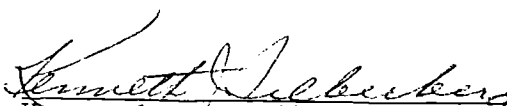
EYE PROTECTION : Chemical splash goggles or face shield.

OTHER PROTECTIVE EQUIPMENT : Eye bath & safety shower.

## Section IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING : Keep containers closed when not in use. Do not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied -these  
OTHER PRECAUTIONS containers retain product residues (vapor, liquid, etc.).

All handling equipment should be electrically grounded. Treat as a very flammable liquid.

  
Kenneth J. Silberberg  
Technical Administrative Manager

# MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

Primer  
(flowcoat)  
CA X-305

DATE OF PREP 10-81

## Section I *DPM 2232-3 (Amine)*

MANUFACTURER'S NAME BOSTIK WEST, DIV. OF USM CORPORATION, AN EMHART UNIT

STREET ADDRESS 20846 So. Normandie Ave. CITY, STATE, AND ZIP CODE Torrance, Ca. 90502

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS AMINE

MANUFACTURERS CODE IDENTIFICATION X-305

Catalyst for 463-6-2

TRADE NAME BOSTIK

Mix Ratio: 3 Parts 463-6-2(Base) to  
1 Part X-305 by volume

## Section II - HAZARDOUS INGREDIENTS

INGREDIENT X-305 EPOXY CATALYST	CAS No.	PERCENT (WT.)	TLV		LEL	VAPOR PRESSURE mm Hg.
			PPM	mg/M <sup>3</sup>		
Xylene	1330-20-7	45-50	100		1.0	7
N-Butyl Alcohol	71-36-3	40-45	100		1.7	4
Amino Silane Ester	1760-24-3	5-10	*NE		NE	<1.0
Tertiary Aromatic Amine	90-72-2	5-10	**5		NE	<0.01
*NE, Not Established						
**8 hr., TWA, ACGIH, OSHA						

## Section III - PHYSICAL DATA

BOILING RANGE 243-284° F

VAPOR DENSITY ☒ HEAVIER ☐ LIGHTER THAN AIR

EVAPORATION RATE ☐ FASTER ☒ SLOWER THAN ETHER

PERCENT VOLATILE  
BY VOLUME 87%

WEIGHT PER  
GALLON 7.2 lbs.

## Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY Red Label, Flammable (Min)  
FLASH POINT 80 Deg. F. Tag Closed LEL 1.0  
Cup

EXTINGUISHING MEDIA Exclude air - Use foam, CO<sub>2</sub>, steam, water fog,  
dry chemicals. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between  
upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray  
to cool fire exposed surfaces and to protect  
personnel.

## Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II

EFFECTS OF OVEREXPOSURE Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat, and eyes.

EMERGENCY AND FIRST AID PROCEDURES : Skin Exposure: Wash affected area with soap and water. Eye Exposure: Flush with water for at least 15 minutes, consult physician. Ingestion: Consult physician immediately. Inhalation: Remove victim to fresh air, consult physician.

## Section VI — REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents. CONDITIONS TO AVOID Storage at high temperatures. Sparks & open flame.

HAZARDOUS DECOMPOSITION PRODUCTS

On combustion CO, CO<sub>2</sub>, Aldehydes and other organics, oxides of nitrogen.

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition and clear fumes from area. Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound. Wash area with detergent & water. Consult disposal expert and ensure conformity with local regulations.

## Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use approved respiratory protection such as an air-supplied mask if used in non ventilated area.

Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

VENTILATION : Face velocity > 60fpm in confined area.

PROTECTIVE GLOVES Chemically resistant gloves.

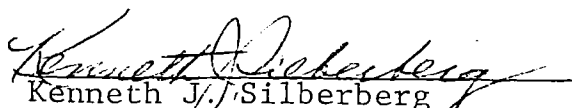
EYE PROTECTION Chemical splash goggles or face shield.

OTHER PROTECTIVE EQUIPMENT Eye bath & Safety shower.

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